

# LIFE CYCLE ASSESSMENT AND SOLID WASTE MANAGEMENT: THE SYSTEMS



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**Life cycle inventory analysis** is a very important stage on a life cycle assessment study as it includes the compilation and quantification of materials and energy consumption and emissions to air, water and land, for all processes within the system boundary. The result is an inventory of the environmental burdens for each system under study.

On **waste management**, life cycle assessment is used to compare management options as incineration, landfilling, recycling and composting. Due to the great variability of systems and technological processes available, each life cycle assessment study should clearly present the systems under study including the technological processes and operations related. Therefore the study is valid for these systems and these technological processes and, differences between management options should take care of this.

